

ITEM	QTY. -041	P/N	DESCRIPTION
	X	D5349-041	R44 FWD BEAM ASSEMBLY
1	2	D2690-11	LANYARD ASSEMBLY
2	1	D5205-1	BRACKET
3	4	D5346-3	BUSHING
4	2	D5347-041	MOUNTING BRACKET ASSY
5	1	D5349-1	R44 FWD BEAM
6	2	AN3-14A	BOLT
7	2	AN416-1	PIN, RETAINING
8	4	AN5-14A	BOLT
9	2	MS20392-3R41	PIN
10	2	MS21042L3	NUT, SELF-LOCKING
11	4	MS21042L5	NUT, SELF-LOCKING
12	4	NAS1149D0332J	WASHER
13	2	NAS1149F0463P	WASHER
14	8	NAS1149D0516J	WASHER

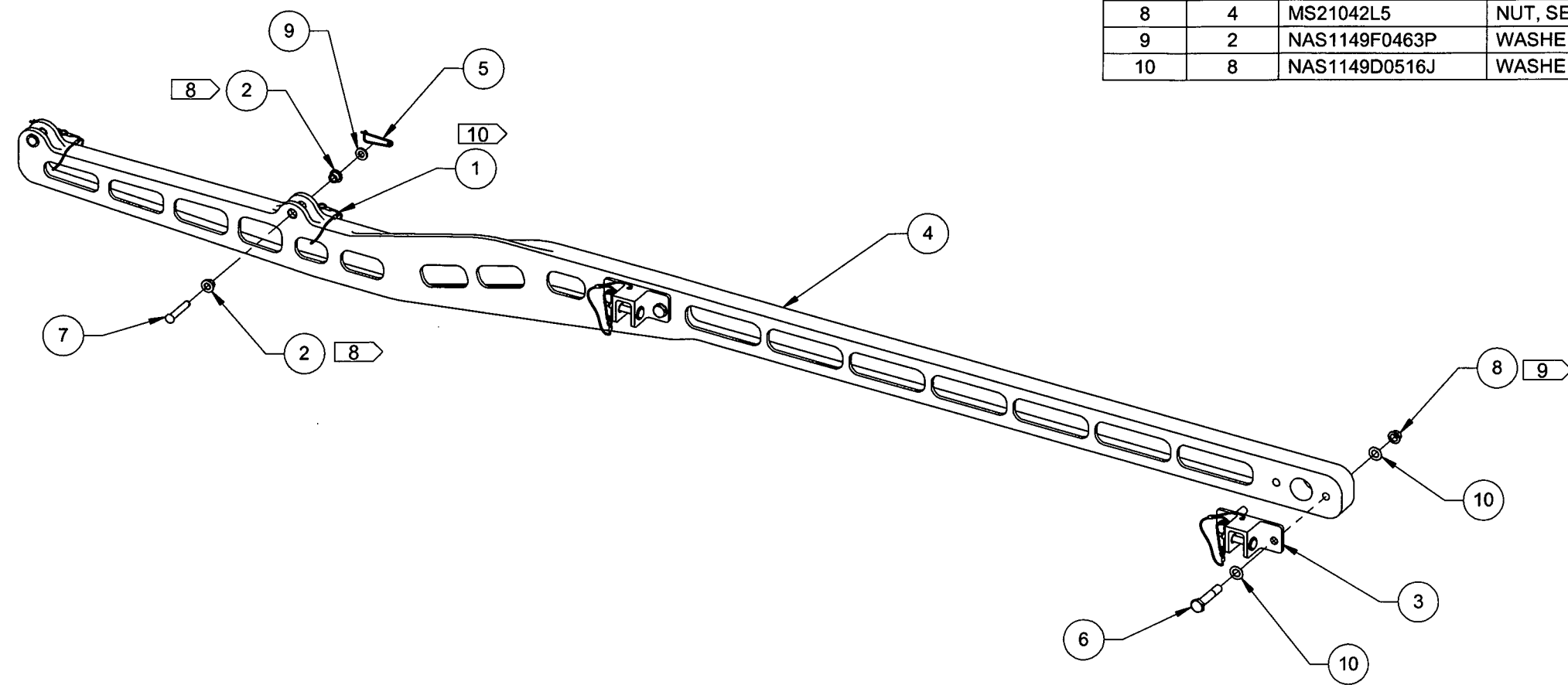
D5349-041 R44 FWD BEAM ASSEMBLY

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 6.3 lbs
  - 8) PRESS FIT D5346-3 INTO D5349-1. IT IS ACCEPTABLE USE MAGNABOND ADHESIVE, REMOVE EXCESS ADHESIVE FROM BUSHING HOLE
  - 9) TORQUE MS21042L3 NUTS TO 20-25 in-lb (2.3-2.8 N-m)  
TORQUE MS21042L5 NUTS TO 100-140 in-lb (11.3-15.8 N-m)
  - 10) ASSEMBLE D2690-11 WITH AN416-1 AS SHOWN

RELEASED  
2016-01-21  
EW 16-506

APPROVED

A	NEW ISSUE		RF	15.08.10
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		
DRAWN	RF			
CHECKED	AK	DRAWING NO. <b>D5349</b>		REV. A
MFG. APPR.	JFS			SHEET 1 OF 6
APPROVED	HS	TITLE <b>R44 BEAM ASSEMBLY</b>		SCALE
DE APPR.	DS			NTS
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ITEM	QTY. -043	P/N	DESCRIPTION
	X	D5349-043	R44 AFT BEAM ASSEMBLY
1	2	D2690-11	LANYARD ASSEMBLY
2	4	D5346-3	BUSHING
3	2	D5347-041	MOUNTING BRACKET ASSY
4	1	D5349-3	R44 AFT BEAM
5	2	AN416-1	PIN, RETAINING
6	4	AN5-14A	BOLT
7	2	MS20392-3R41	PIN
8	4	MS21042L5	NUT, SELF-LOCKING
9	2	NAS1149F0463P	WASHER
10	8	NAS1149D0516J	WASHER

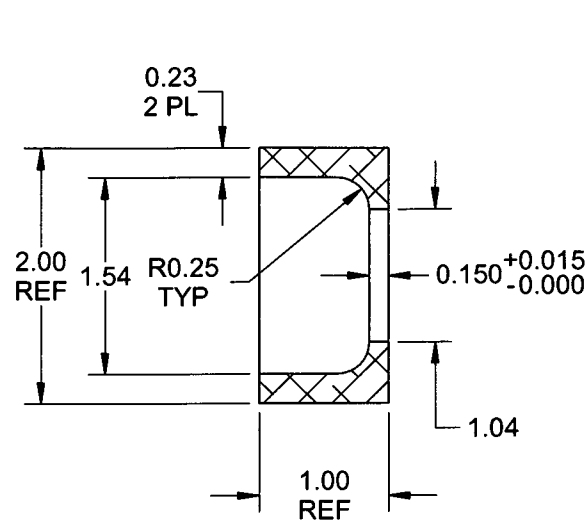
D5349-043 R44 AFT BEAM ASSEMBLY

NOTES:

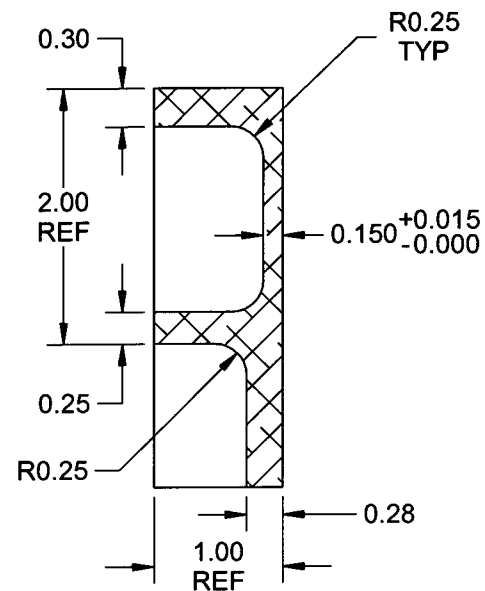
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 6.1 lbs
- 8) PRESS FIT D5346-3 INTO D5349-3. IT IS ACCEPTABLE USE MAGNABOND ADHESIVE, REMOVE EXCESS ADHESIVE FROM BUSHING HOLE
- 9) TORQUE MS21042L5 NUTS TO 100-140 in-lb (11.3-15.8 N-m)
- 10) ASSEMBLE D2690-11 WITH AN416-1 AS SHOWN

RELEASED  
2016-01-21  
APPROVED

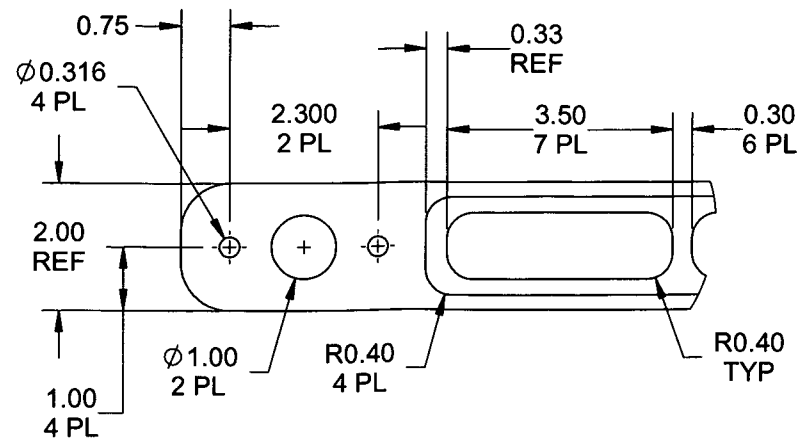
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	AK	DRAWING NO. <b>D5349</b>	REV. A
MFG. APPR.	JFS		SHEET 2 OF 6
APPROVED	HS	TITLE <b>R44 BEAM ASSEMBLY</b>	SCALE NTS
DE APPR.	DS		
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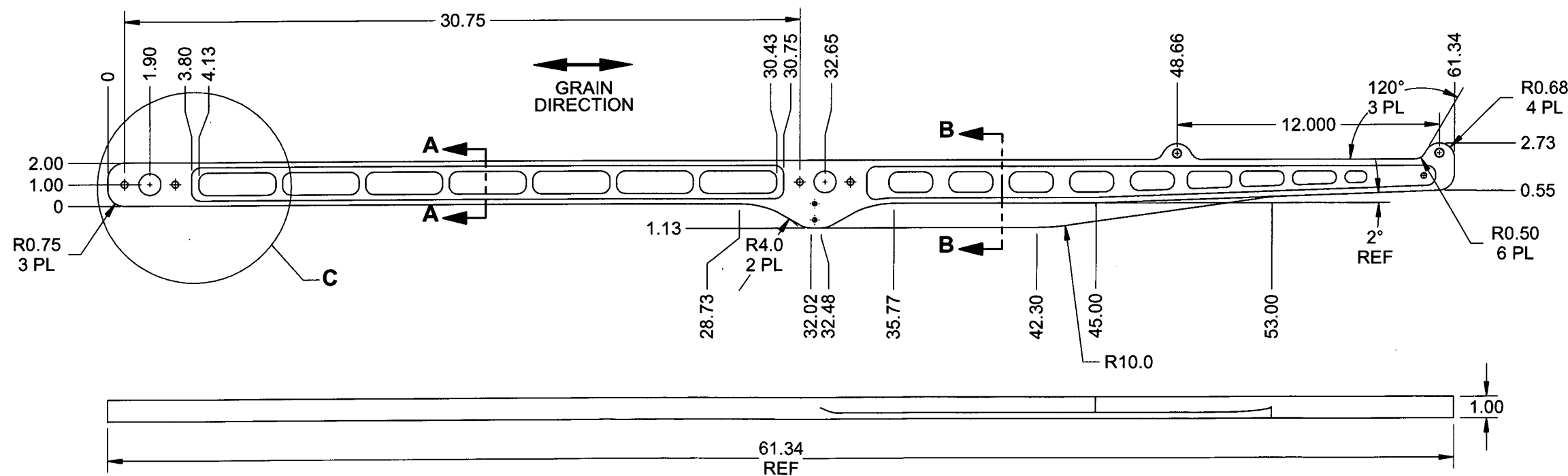
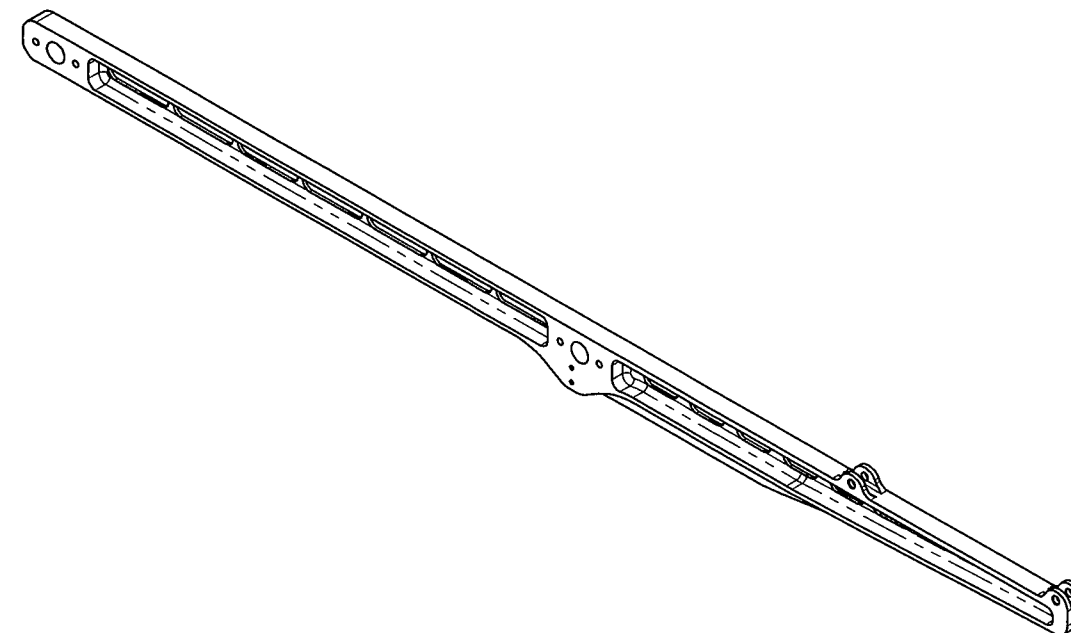
**SECTION A-A**  
7 PL



**SECTION B-B**



**DETAIL C**



**D5349-1 R44 FWD BEAM**

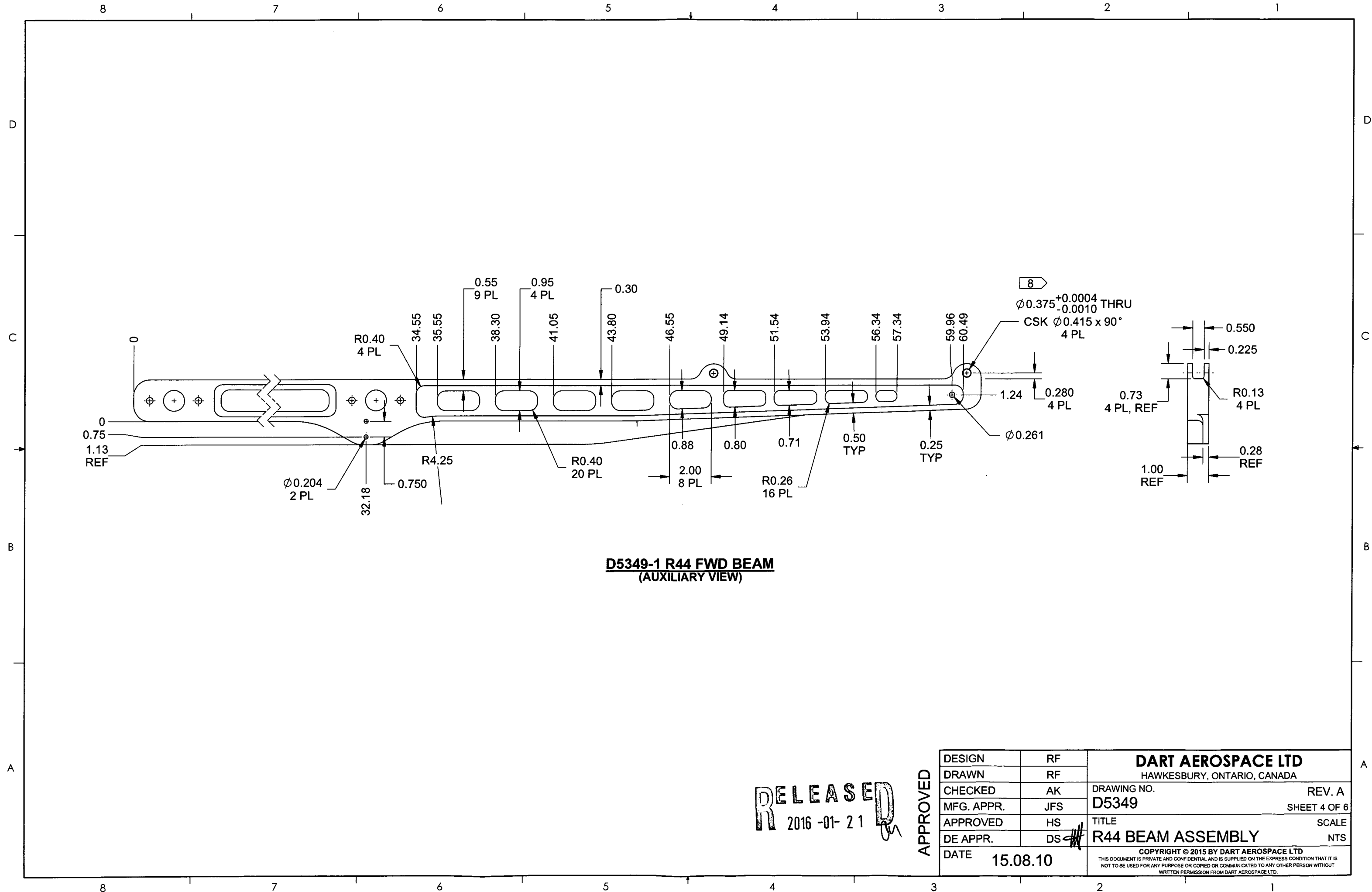
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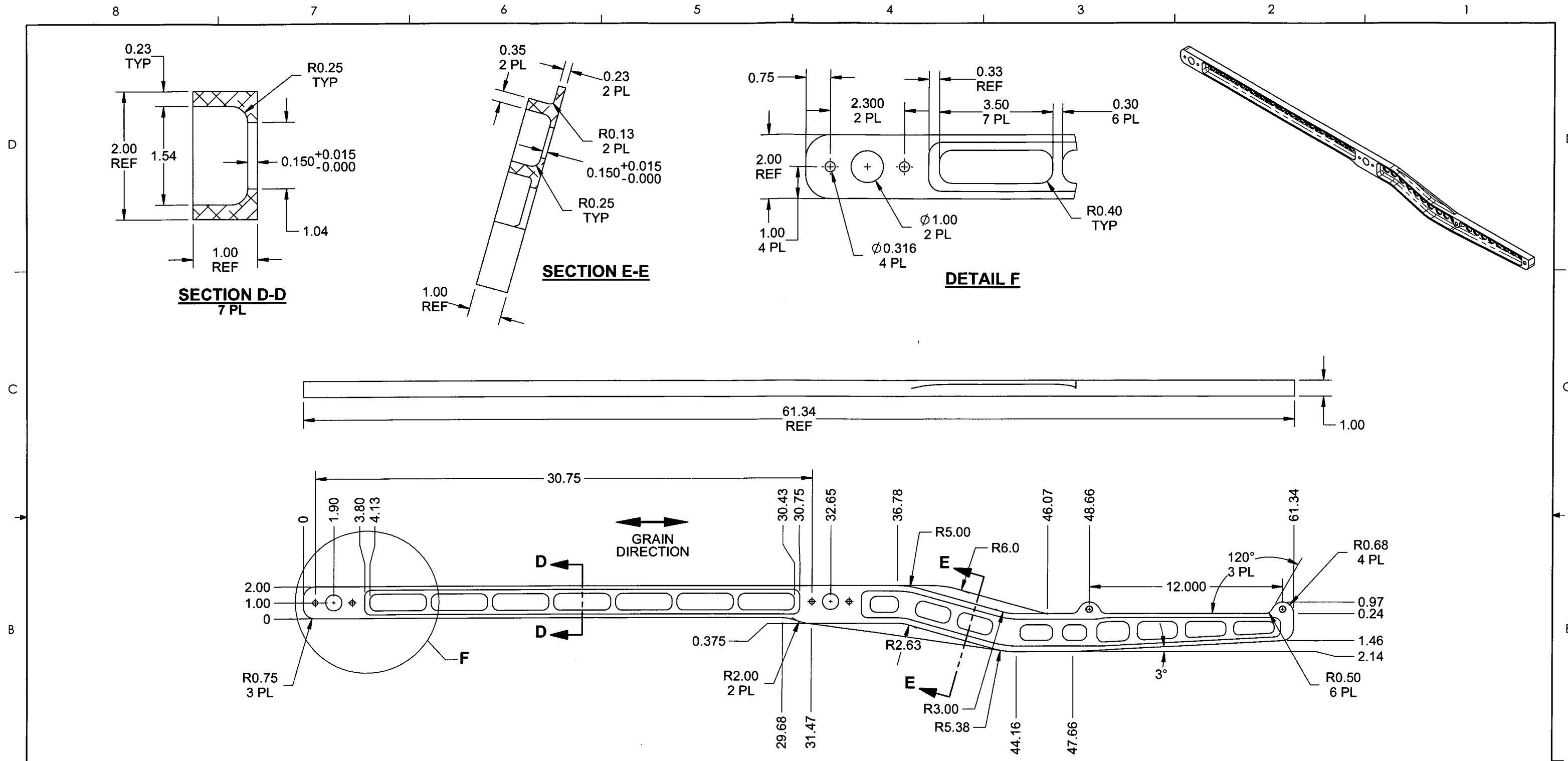
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 5.55 lbs
- 8) MASK HOLES PRIOR TO POWDER COAT
- 9) UNDEFINED FEATURES CONTROLLED BY CAD FILE D5349-1 Rev.A.SLDPRT

**RELEASED**  
2016 -01- 21

APPROVED

DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AK	DRAWING NO. <b>D5349</b>	REV. A
MFG. APPR.	JFS	SHEET 3 OF 6	
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	<b>R44 BEAM ASSEMBLY</b>	NTS
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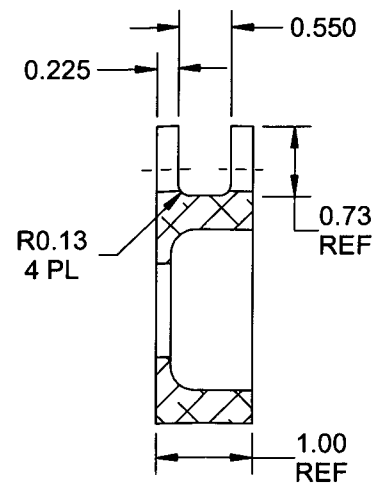
**D5349-3 R44 AFT BEAM**

- NOTES:**
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B
  - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: 5.35 lbs
  - 8) MASK HOLES PRIOR TO POWDER COAT
  - 9) UNDEFINED FEATURES CONTROLLED BY CAD FILE D5349-3 Rev.A.SLDPRT

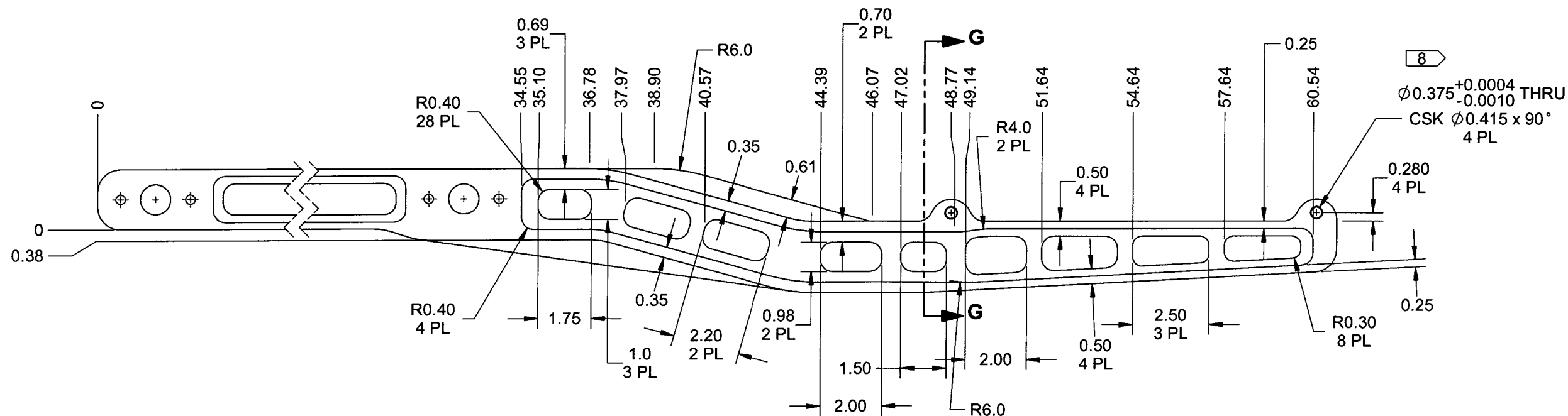
RELEASED  
2016-01-21

APPROVED

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	AK	DRAWING NO.	REV. A
MFG. APPR.	JFS	<b>D5349</b>	SHEET 5 OF 6
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	<b>R44 BEAM ASSEMBLY</b>	NTS
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**SECTION G-G**  
2 PL



**D5349-3 R44 AFT BEAM**  
(AUXILIARY VIEW)

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	AK	DRAWING NO. <b>D5349</b>	REV. A
MFG. APPR.	JFS		SHEET 6 OF 6
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	<b>R44 BEAM ASSEMBLY</b>	NTS
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2016-01-21

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